



OWNER'S MANUAL • MANUAL DEL USUARIO • GUIDE D'UTILISATION

Model / Modelo / Modèle: IP-1875C



**INSTANT POWER™ Jump Starter and DC Power Source / Fuente de Poder de CD y Arrancador / Aide de Démarrage et Source d'Énergie CC**

**⚠ WARNING**

**⚠ ADVERTENCIA**

**⚠ AVERTISSEMENT**

- READ THE ENTIRE MANUAL BEFORE USING THIS PRODUCT. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.
- LEA EL MANUAL COMPLETO ANTES DE UTILIZAR ESTE PRODUCTO. CUALQUIER FALLA PODRÍA RESULTAR EN SERIAS LESIONES O PODRÍA SER MORTAL.
- LIRE ENTIÈREMENT LE GUIDE AVANT D'UTILISER CE PRODUIT. L'ÉCHEC DE FAIRE AINSI PEUT S'ENSUIVRE DANS LA BLESSURE SÉRIEUSE OU LA MORT.

## IMPORTANT: READ AND SAVE THIS SAFETY AND INSTRUCTION MANUAL.

**SAVE THESE INSTRUCTIONS** – Charge the Instant Power™ internal battery immediately after purchase, after every use and every 30 days. This manual will show you how to use your Instant Power™ safely and effectively. Please read, understand and follow these instructions and precautions carefully, as this manual contains important safety and operating instructions. The safety messages used throughout this manual contain a signal word, a message and an icon.

The signal word indicates the level of the hazard in a situation.

- ▲DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or bystanders.
- ▲WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or bystanders.
- ▲CAUTION** Indicates a potentially hazardous situation which, if not avoided, could result in moderate or minor injury to the operator or bystanders.
- IMPORTANT** Indicates a potentially hazardous situation which, if not avoided, could result in damage to the equipment or vehicle or property damage.

Safety messages in this manual contain two different type styles.

- Unnumbered type states the hazard.
- Numbered type states how to avoid the hazard.

The icon gives a graphical description of the potential hazard.

### ▲WARNING



Pursuant to California Proposition 65, this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 1. IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS -This manual contains important safety and operating instructions



### RISK OF ELECTRIC SHOCK OR FIRE.

- 1.1 Read the entire manual before using this product. Failure to do so could result in serious injury or death.
- 1.2 Keep out of reach of children.
- 1.3 Do not put fingers or hands into any of the Instant Power's™ outlets.
- 1.4 Do not expose the Instant Power™ to rain or snow.
- 1.5 Use only recommended attachments. Use of an attachment not recommended or sold by Schumacher® Electric Corporation may result in a risk of fire, electric shock or injury to persons or damage to property.
- 1.6 Use of an improper extension cord could result in a risk of fire and electric shock. When an extension cord is used, make sure:
  - That the pins on the plug of the extension cord are the same number, size and shape as those of the plug on the Instant Power™ charger.
  - That the extension cord is properly wired and in good electrical condition.
  - That the extension cord has a wire size of 18 gauge (AWG) [0.82 mm<sup>2</sup>] or larger and is 50 feet (15.24 meters) long or less.
- 1.7 To reduce the risk of electric shock, unplug the Instant Power™ charger from the outlet before attempting any maintenance or cleaning. Simply turning off the controls will not reduce this risk.

- 1.8 When charging the internal battery, work in a well ventilated area and do not restrict the ventilation in any way.
- 1.9 Do not operate the Instant Power™ with damaged cables or clips; have the cable or clip replaced immediately a qualified service person. (Call customer service at: 1-800-621-5485.)
- 1.10 Do not operate the Instant Power™ if it has received a sharp blow, been dropped or otherwise damaged in any way; take it to a qualified service person. (Call customer service at: 1-800-621-5485.)
- 1.11 Do not disassemble the Instant Power™; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock. (Call customer service at: 1-800-621-5485.)



## **RISK OF EXPLOSIVE GASES.**

- 1.12 **WORKING IN THE VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS OF UTMOST IMPORTANCE THAT YOU FOLLOW THE INSTRUCTIONS EACH TIME YOU USE THE INSTANT POWER™.**
- 1.13 To reduce the risk of a battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Review the cautionary markings on these products and on the engine.
- 1.14 This Instant Power™ employs parts, such as switches and circuit breakers, that tend to produce arcs and sparks. If used in a garage, locate this Instant Power™ 18 inches (46 cm) or more above floor level.

## **2. PERSONAL PRECAUTIONS**



**RISK OF EXPLOSIVE GASES. A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:**

- 2.1 Working in the vicinity of a lead-acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of utmost importance that you follow the instructions each time you use the Instant Power™.
- 2.2 NEVER smoke or allow a spark or flame in the vicinity of a battery or engine.
- 2.3 Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.
- 2.4 Be extra cautious to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit the battery or other electrical part that may cause an explosion.
- 2.5 Do not permit the internal battery of the Instant Power™ to freeze. Never charge a frozen battery.
- 2.6 To prevent sparking, NEVER allow clips to touch together or contact the same piece of metal.
- 2.7 Consider having someone close enough by to come to your aid when you work near a lead-acid battery.
- 2.8 Have plenty of fresh water and soap nearby in case battery acid contacts your skin, clothing or eyes.
- 2.9 Wear complete eye and body protection, including safety goggles and protective clothing. Avoid touching your eyes while working near the battery.




- 2.10** If battery acid contacts your skin or clothing, immediately wash the area with soap and water. If acid enters your eye, immediately flood the eye with cold running water for at least 10 minutes and get medical attention right away.
- 2.11** If battery acid is accidentally swallowed, drink milk, the whites of eggs or water. DO NOT induce vomiting. Seek medical attention immediately.

**3. PREPARING TO USE THE INSTANT POWER™**

<b>⚠WARNING</b> 	<b>⚠WARNING</b> 	<b>RISK OF CONTACT WITH BATTERY ACID. BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.</b>

- 3.1** Be sure the area around the battery is well ventilated while the jump starter is being used.
- 3.2** Clean the battery terminals before using the jump starter. During cleaning, keep airborne corrosion from coming into contact with your eyes, nose and mouth. Use baking soda and water to neutralize the battery acid and help eliminate airborne corrosion. Do not touch your eyes, nose or mouth.
- 3.3** Add distilled water to each cell until the battery acid reaches the level specified by the battery manufacturer. Do not overfill. For a battery without removable cell caps, such as valve regulated lead acid batteries (VRLA), carefully follow the manufacturer's instructions.
- 3.4** Read, understand and follow all instructions for the Instant Power™, battery, vehicle and any equipment used near the battery and Instant Power™. Study all of the battery manufacturer's specific precautions while charging and recommended rates of charge.
- 3.5** Determine the voltage of the battery by referring to the vehicle owner's manual and make sure that the output voltage of the jump starter is correct.
- 3.6** Make sure that the Instant Power™ cable clips make tight connections.

**4. INSTANT POWER™ LOCATION**

<b>⚠WARNING</b> 	<b>⚠WARNING</b> 	<b>⚠WARNING</b> 	<b>RISK OF EXPLOSION AND CONTACT WITH BATTERY ACID.</b>

- 4.1** Locate the Instant Power™ as far away from the battery as the DC cables permit.
- 4.2** Never place the Instant Power™ directly above the battery being jumped; gases from the battery will corrode and damage the Instant Power™.
- 4.3** Do not operate the Instant Power™ in a closed-in area or restrict the ventilation in any way.

**5. DC CONNECTION PRECAUTIONS**

- 5.1** Connect and disconnect the DC output clips only after setting all of the Instant Power™ switches to the "off" position (if applicable) and removing the AC plug from the electrical outlet. Never allow the clips to touch each other.
- 5.2** Attach the clips to the battery and chassis, as indicated in section 6.

## 6. FOLLOW THESE STEPS WHEN CONNECTING TO A BATTERY



**A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:**

- 6.1 Attach the output cables to the battery and chassis as indicated below. Never allow the output clips to touch each other.
- 6.2 Position the DC cables to reduce the risk of damage by the hood, door and moving or hot engine parts. **NOTE:** If it is necessary to close the hood during the jump starting process, ensure that the hood does not touch the metal part of the battery clips or cut the insulation of the cables.
- 6.3 Stay clear of fan blades, belts, pulleys and other parts that can cause injury.
- 6.4 Check the polarity of the battery posts. The POSITIVE (POS, P, +) battery post usually has a larger diameter than the NEGATIVE (NEG, N, -) post.
- 6.5 Determine which post of the battery is grounded (connected) to the chassis. If the negative post is grounded to the chassis (as in most vehicles), see step 6.5. If the positive post is grounded to the chassis, see step 6.6.
- 6.6 For a negative-grounded vehicle, connect the POSITIVE (RED) clip from the battery Instant Power™ to the POSITIVE (POS, P, +) ungrounded post of the battery. Connect the NEGATIVE (BLACK) clip to the vehicle chassis or engine block away from the battery. Do not connect the clip to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 6.7 For a positive-grounded vehicle, connect the NEGATIVE (BLACK) clip from the battery Instant Power™ to the NEGATIVE (NEG, N, -) ungrounded post of the battery. Connect the POSITIVE (RED) clip to the vehicle chassis or engine block away from the battery. Do not connect the clip to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 6.8 When disconnecting the Instant Power™, turn all switches to off (if applicable), remove the clip from the vehicle chassis and then remove the clip from the battery terminal.

## 7. CHARGING AND AC POWER CORD CONNECTIONS



**RISK OF ELECTRIC SHOCK OR FIRE.**

- 7.1 The Instant Power™ charger is for use on a nominal 120-volt circuit. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. The plug pins must fit the receptacle (outlet). Do not use with an ungrounded system. **NOTE:** Pursuant to Canadian Regulations, use of an adapter plug is not allowed in Canada. Use of an adapter plug in the United States is not recommended and should not be used.

## 8. FEATURES



1. On/Off Switch
2. On/Off Indicator Light
3. Battery Clips
4. Internal Battery Status Pushbutton
5. Internal Battery Status Lights
6. Charging Status Lights
7. Work Light On/Off Switch
8. Work Light
9. 12V DC Outlet
10. Circuit Breaker Reset Switch
11. Internal Battery Charging Plug
12. Air Compressor On/Off Switch
13. Air Compressor Gauge
14. Air Compressor Hose Storage Compartment

## 9. CHARGING THE INTERNAL BATTERY OF THE INSTANT POWER™

**IMPORTANT: CHARGE IMMEDIATELY AFTER PURCHASE, AFTER EACH USE AND EVERY 30 DAYS TO KEEP THE INSTANT POWER™ INTERNAL BATTERY FULLY CHARGED.**

### 9.1 LED Indicators:

To check the internal battery's charge status, press the Battery Status button on the front of the Instant Power™.

The LED lights will indicate the charge level as follows:

- A red LED indicates a 50% or less charge and you should immediately recharge the Instant Power™.
- A yellow LED indicates a 50 to 75% charge. The Instant Power™ may be used but should be recharged as soon as possible.
- A green LED indicates the internal battery is fully charged.
- The CHARGING (red) LED indicates the Instant Power™ is charging (connected to an AC power source.) At full charge, the CHARGED (green) LED will light.

**NOTE:** The internal battery's percent of charge is most accurate when the Instant Power™ has been disconnected from all devices and charging sources for a few hours.

### 9.2 Charging the Internal Battery using the Built-In Charger:

1. To charge, plug an 18 gauge (AWG) or larger extension cord into the charger plug on the back of the Instant Power™. (Extension cord not included; must be purchased separately.)
2. Plug the extension cord into a 120V AC electrical wall outlet.
3. The CHARGING (red) LED will glow indicating charging.
4. The CHARGED (green) LED will light when the battery has reached full charge. This could take up to 72 hours due to the age and condition of the battery. The charger will automatically go into maintain mode and maintain the battery at full charge without damaging it.
5. Charge the Instant Power™ as soon as possible after use.

#### **IMPORTANT**

Do not use the Instant Power™ while charging the internal battery.

You may also charge the internal battery while driving, using the male-to-male charger cable (p/n 94500109 – not included). Insert one end of the accessory cable into the 12V DC power outlet and the other end into the vehicle's accessory outlet (lighter socket). Completely disconnect the charger cable when the engine is not running.

**IMPORTANT** The CHARGING (red) LED and the CHARGED (green) LED do not operate during this method of charging. Using this method to charge the battery overrides the maintain mode and the battery can be overcharged. Monitor the progress of the battery and when it reaches a full (100%) charge, disconnect the charger. Do not leave the battery unattended or it could explode causing property damage or personal injury.

## 10. OPERATING INSTRUCTIONS

### 10.1 Jump Starting a Vehicle Engine

**IMPORTANT** Do not use the Instant Power™ while charging the internal battery.

1. Turn the vehicle's ignition OFF before making cable connections.
2. Connect the Instant Power™ to the battery following the precautions listed in section 3.

#### **WARNING**

##### **Risk of Explosion.**



If you have connected the clips backwards, an audio alarm will sound. DO NOT turn the On/Off switch to the ON position. This could cause serious damage to the Instant Power™ or the vehicle. Reverse the connections and the audio alarm will stop.

3. Crank the engine. If the engine does not start within 5-8 seconds, stop cranking and wait at least 1 minute before attempting to start the vehicle again. (This permits the Instant Power™ to cool down.)
4. After the engine starts, disconnect the black clip (-) and then the red clip (+) in that order and clip them back onto the Instant Power™ storage holders.
5. Recharge the Instant Power™ as soon as possible after use.

#### **WARNING**



##### **Risk of Explosion.**

To prevent sparking, NEVER allow the clips to touch together or to contact the same piece of metal. Never attempt to jump start a frozen battery.

### 10.2 Powering a 12V DC Device:

The Instant Power™ is a power source for all 12V DC accessories that are equipped with a 12V accessory plug. Use it for power outages and fishing or camping trips. Estimated usage time is listed in the chart below.

Make sure the device to be powered is OFF before inserting the 12V DC accessory plug into the 12V DC accessory outlet.

1. Ensure the battery clips are securely clipped on the storage holders.
2. Open the protective cover of the DC power outlet on the back of the Instant Power™.
3. Plug the 12V DC device into the DC power outlet, and turn the 12V DC device on (if required).
4. If the 12V DC device draws more than 15A or has a short circuit, the internal circuit breaker of the Instant Power™ will trip and disconnect the power to the device. If this occurs, disconnect the 12V DC device in question and press the reset button located on the back of the Instant Power™ to reset the circuit breaker.

The DC power outlet is wired directly to the internal battery. Extended operation of a 12V DC device may result in excessive battery drain. Recharge immediately after unplugging the 12V DC device.

Appliance Type	Estimated Wattage	Estimated Usage Time
Cell Phone	4 watts	54 hours
Fluorescent Light	4 watts	54 hours
Radios, Fan	9 watts	24 hours
Depth Finder	9 watts	24 hours
Camcorder, VCR	15 watts	14.4 hours
Electrical Tool	24 watts	9 hours
Electrical Cooler	48 watts	4.5 hours
Car Vacuum, Air Compressor	80 watts	2.7 hours

**NOTE:** Estimated run-times. Actual time may vary. Times are based on the internal battery being fully charged

### 10.3 Using the Built-In Light

1. Position the Instant Power™ on a flat, stable surface near the intended work area.
2. Ensure the battery clips are securely clipped on the storage holders.
3. Press the Light Switch.
4. The Instant Power™ light will turn on and illuminate your work area.
5. Press the Light Switch again to turn off the light.
6. Charge the Instant Power™ as soon as possible after using the built-in light.

**NOTE:** With a fully charged internal battery, the built-in light should provide 55 to 65 hours of continuous, useful light.

### 10.4 Using the Air Compressor



#### **Risk of explosion.**

Read the instructions of the product being inflated before using the compressor. Avoid over inflation, do not exceed the manufacturer's recommended pressures. Do not leave the air compressor unattended during use.

1. Ensure the battery clips are securely on the storage holders.
2. Remove the air compressor hose from the storage compartment in the back of the Instant Power™. Install adapters as necessary.
3. Attach the air compressor hose to the product or accessory to be inflated by flipping down the lever.
4. Place the Compressor Switch in the ON position and inflate the product.
5. When the product is inflated to the proper air pressure (using the air compressor gauge) place the Compressor Switch in the OFF position and remove the hose.
6. Do not run for more than 10 minutes maximum at a time. Allow the Instant Power™ to cool down for 10 minutes before using again.

**NOTE:** To prevent overheating, the compressor has built-in thermal protection that will turn the compressor off before it overheats. If the compressor shuts off, wait a few minutes and it will automatically restart when the compressor cools.

**NOTE:** The air compressor is rated for 150 PSI.

#### **Estimated Time for Inflating**

Vehicle Tires 13" to 16"	6 to 24 minutes
Bike Tire	1 to 3 minutes
Sports Balls	30 seconds

**NOTE:** These times are approximate, use the air compressor gauge to ensure the proper pressure has been reached. Do not over inflate.



## 11. MAINTENANCE INSTRUCTIONS

- 11.1** After use and before performing maintenance, unplug and disconnect the Instant Power™ (see sections 3 and 4).
- 11.2** Use a dry cloth to wipe all battery corrosion and other dirt or oil from the battery clips, cords, and the Instant Power™ case.
- 11.3** Ensure that all of the Instant Power™ components are in place and in good working condition, for example, the plastic boots on the battery clips.
- 11.4** Servicing does not require opening the unit, as there are no user-serviceable parts.
- 11.5** All other servicing should be performed by qualified service personal.

## 12. MOVING AND STORAGE INSTRUCTIONS

- 12.1** Store the Instant Power™ in an upright position.
- 12.2** Store inside, in a cool, dry place.
- 12.3** Do not store the clips on the handle, clipped together, on or around metal, or clipped to cables. The clips on the Instant Power™ are live and will produce arcing or sparking if they come in contact with each other. To prevent accidental arcing, always keep the clips on the storage holders when not using it to jump start a vehicle.
- 12.4** If the Instant Power™ is moved around the shop or transported to another location, take care to avoid/prevent damage to the cords, clips and Instant Power™. Failure to do so could result in personal injury or property damage.

### IMPORTANT

Do not use and/or store the Instant Power™ in or on any area or surface where damage could occur if the internal battery should unexpectedly leak acid.

### 12.5 IMPORTANT:

- **CHARGE IMMEDIATELY AFTER PURCHASE**
- **KEEP FULLY CHARGED**

Charge the Instant Power™ internal battery immediately after purchase, after every use and every 30 days.

All batteries are affected by temperature. The ideal storage temperature is at 70 degrees Fahrenheit. The internal battery will gradually self-discharge (lose power) over time, especially in warm environments. Leaving the battery in a discharged state may result in permanent battery damage. To ensure satisfactory performance and avoid permanent damage, charge the internal battery every month.

## 13. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REASON/SOLUTION
The Instant Power™ won't jump start my car.	Clips are not making a good connection to the battery.	Check for poor connection to battery and frame. Make sure connection points are clean. Rock clips back and forth for a better connection.
	The Instant Power™ battery is not charged.	Check the battery charge status by pressing the button on the front of the Instant Power™. See LED Indicators section of this manual.
	The vehicle's battery is defective.	Have the battery checked.

PROBLEM	POSSIBLE CAUSE	REASON/SOLUTION
The Instant Power™ won't power my 12V device.	The 12V device is not turned on.	Turn on the 12V device.
	The Instant Power™ battery is not charged.	Check the battery charge status by pressing the button on the front of the Instant Power™. See LED Indicators section of this manual.
	The 12V device draws more than 15A or has a short circuit	Disconnect the 12V device and press the reset button located on the back of the Instant Power™. Try the 12V device again. If it happens again, replace the 12V device.
The battery in the Instant Power™ won't hold a charge.	The battery is bad (will not accept a charge).	Have the battery checked.

#### 14. BEFORE RETURNING FOR REPAIRS

- 14.1** When a starting problem arises, make certain that the battery is capable of accepting a normal charge. Double check all connections, the Instant Power™ battery charge level, the battery clips for correct polarity and the quality of the connections from the cables to the clips and from the clips to the battery system. The clips must be clean.
- 14.2** When an UNKNOWN OPERATING PROBLEM arises, please read the complete manual and call the customer service number for information that will usually eliminate the need for return.

If the above solutions do not eliminate the problem or for information about troubleshooting, call toll-free from anywhere in the U.S.A.

1-800-621-5485

7:00 am to 5:00 pm Central Time Monday through Friday

#### 15. SPECIFICATIONS

Internal Battery Type	Maintenance-free AGM Lead-acid
Nominal Voltage	12V DC
Capacity	18 Ah
DC Power Outlet (Max. Continuous Load)	15A
Peak Amps	950
Jumper Cables	4-gauge awg (21.14 mm <sup>2</sup> ), 28 Inches (71 cm)
Dimensions (H x W x D)	11 x 12.75 x 7 Inches (28 x 32.5 x 17.75 cm)
Product Weight	19 lbs (8.5 kgs)

#### 16. REPLACEMENT PARTS/ACCESSORIES

Male-To-Male Accessory cable-----94500109

Air Compressor Accessory Kit (3 Adapters) -----00-99-000599